

5g radio base station





Overview

What are the different types of 5G NR base stations?

This article describes the different classes or types of 5G NR Base Stations (BS), including BS Type 1-C, BS Type 1-H, BS Type 1-O, and BS Type 2-O. 5G NR (New Radio) is the latest wireless cellular standard, succeeding LTE/LTE-A. It adheres to 3GPP specifications from Release 15 onwards. In 5G NR, the Base Station (BS) is referred to as a gNB.

What is a 5G base station?

It plays a central role in enabling wireless communication between user devices (such as smartphones, IoT devices, etc.) and the core network. The base station in a 5G network is designed to provide high data rates, low latency, massive device connectivity, and improved energy efficiency compared to its predecessors.

What is a 5G ran?

It is a major part of the 5G network. The 5G RAN consists of base stations (gNodeB), remote radio units (RRU), and antenna systems. It handles the radio communications between the user equipment (UE), such as a cellphone, computer, or any remotely controlled machine to the 5G core network (5GC).

What is 5G NR BS?

5G NR (New Radio) is the latest wireless cellular standard, succeeding LTE/LTE-A. It adheres to 3GPP specifications from Release 15 onwards. In 5G NR, the Base Station (BS) is referred to as a gNB. These 5G NR BS operate in two frequency ranges: FR1 and FR2. (./assets/5G-NR-BS-Channel-Bandwidths.jpg). Table 1: Frequency Ranges



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Types of 5G NR Base Stations: A ...

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